Kansas Department of Agriculture Division of Water Resources CHANGE: P/D WORKSHEET

1. File Number: 36553	2. Status Change Dat	00	4. Field Office: 04	5. GMD:
6. Status: Approved	☐ Denied by DWR/GMD	☐ Dismiss by Reque	st/Failure to Return	7. Filing Date of Change: 2/19/19
8a. WUC, applicant New to system DUANE & BEC 548 SOUTH RO JOHNSON CITY	OAD I	New to see KATZIN 548 SC		
8b. Landowner(s) New to system □	Person ID Add Seq#	8d. LANDOV New to sy		Person IDAdd Seq#
9. Documents and Enclos Anti-Reverse Meter Conservation Plan		mply:	☑ Water Tube ☑ I	Driller Copy
10. Use Made of Water	From:	To:		(4)
			Date Prepared: 4/29/ Date Entered:	119 Ву: МАМ Ву:

File No. 36553	11. County: \$	ST	Bas	sin: NI	FCIMA	ARRO	N RIV	ER	- 1	S	tream:						V.		rmation 1/331	Code:	Special Use:
12. Points of Diversion CHK MOD				100											and Qu			A	dditional		
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Limitation:	af/yr at				(gpm (200	cfs) w	hen co	ombine	ed with	file n	umber	(s)					Take Bulletin A
15. 5YR Allocation: Allocation 7	Гуре	Sta	rt Year	_		5 YR	Amou	int _		Amo	ount U	nit		Base	Acres		_ C	omment		77	
16. Place of Use CHK			NE	Ξ1/4			NV	V ¹ / ₄			SI	N¹/4			S	E1/4		Total	Owner	Chg	? Overlap Files
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Garden City Field Office 4532 W. Jones, Suite B Garden City, KS 67846



Phone: 620-276-2901 Fax: 620-276-9315 www.agriculture.ks.gov

Mike Beam, Secretary

Laura Kelly, Governor

April 30, 2019

DUANE & BECKY ZORTMAN 548 SOUTH ROAD I JOHNSON CITY KS 67855

RE: Water Right, File Nos. 36553

Dear Sir and Madam:

Enclosed is an order executed by the designee of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, approving the application for change under the above referenced file number.

Your attention is directed to the enclosures and to the terms, conditions, and limitations specified in this approval for change. A condition of this approval is that acceptable water flowmeter must be installed on the diversion works authorized under the referenced file number and meet current specifications. Please return the required notification of completion of the diversion works and installation of the required meter as soon as these actions are completed.

Since this order modifies the original document referred to above, it should be recorded with the Register of Deeds as other instruments affecting real estate.

Should you have any questions, please feel free to call this office. If you would prefer, you could arrange an appointment for additional assistance.

Sincerely,

Michael A. Meyer Water Commissioner

MAM: enclosures

pc:

KAZMAN FARMS INC 548 SOUTH ROAD JOHNSON KS 67855

GROUNDWATER MANAGEMENT DISTRICT NO. 3

CERTIFICATE OF SERVICE

On this 30th day of April, 2019, I hereby certify that the foregoing Approval of Application for Change in Point of Diversion, Water Right, File No. 36,553, dated 30th day of April, 2019 was mailed postage prepaid, first class, US mail to the following:

DUANE & BECKY ZORTMAN 548 SOUTH ROAD I JOHNSON CITY KS 67855

With photocopies to:

KAZMAN FARMS INC 548 SOUTH ROAD I JOHNSON KS 67855

GROUNDWATER MANAGEMENT DISTRICT NO. 3

Division of Water Resources Staff

Submit completed application to: Kansas Department of Agriculture Division of Water Resources Field Office for your area. Call for address:

Topeka -- (785) 296-5733 Stafford -- (620) 234-5311 Stockton -- (785) 425-6787 Garden City -- (620) 276-2901 http://agriculture.ks.gov/dwr

DWR FIELD OFFICE APPLICATION FOR APPROVAL TO CHANGE THE PLACE OF USE AND/OR THE POINT OF DIVERSION



STATE OF KANSAS

Filing Fee Must Accompany the Application, K.S.A. 82a-708b(b), as amended. Fee Schedule is on the third page of this application form.

Paragraph Nos. 1, 2, 3 & 5 must be completed. Complete all other applicable portions. If change in point of diversion is greater than 100 feet, or if place of use will be changed, include a topographic map or detailed plat showing the authorized and proposed point(s) of diversion and/or place of use. RECEIVED 2:36pm FEB 19 2019 File No. 36553 Garden City Field Office DIVISION OF WATER RESOURCES 1. Application is hereby made for approval of the Chief Engineer to change the (check one or both): ☐ Place of Use Point of Diversion under the water right which is the subject of this application in accordance with the conditions described below. ☐ Surface water The source of supply is: □ Groundwater Name and address of Applicant: DUANE & BECKY ZORTMAN 548 SOUTH ROAD I JOHNSON CITY KS 67855 Phone Number: (Email address: Name and address of Water Use Correspondent: SAME AS ABOVE Phone Number: (Email address: The presently authorized place of use is: Owner of Land ---- NAME: SAME AS ABOVE ADDRESS: (If there is more than one landowner, attach supplemental sheets as necessary.) SW1/4 TOTAL NW1/4 SW1/4 SE1/4 NE1/4 NW1/4 SW1/4 SE1/4 Sec. Twp. Range NE1/4 NW1/4 SW1/4 SE1/4 NE1/4 NW1/4 SW1/4 SE1/4 NE1/4 If this application is for a change in place of use, it is proposed that the place of use be changed to: Owner of Land ---- NAME: ADDRESS: (If there is more than one landowner, attach supplemental sheets as necessary.) SW1/4 SE1/4 TOTAL Sec. Twp. Range NE1/4 NW1/4 SW1/4 SE1/4 NE1/4 NW1/4 SW1/4 SE1/4 NE1/4 NW1/4 SW1/4 SE1/4 NE1/4 NW1/4 SW1/4 SE1/4 For Office Use Only: Code _____ Fee \$ 100.00 TR # ____ Receipt Date 2-19-19 Check #

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14. If the proposed groundwater point of diversion is 300 or fever	wer feet from the existing point of diversion, complete the following:
(a) Does the undersigned represent all owners of the curr ☑ Yes ☐ No (If no, all owners must sign	ently authorized place(s) of use identified in this application? this application.)
(b) Will the ownership interest of any owner of the currer affected if this application is approved as requested? ☐ Yes ☑ No (If yes, all owners must sign	ntly authorized place(s) of use identified in this application be adversely in this application.)
(c) If this application is not approved expeditiously, will the ☐ Yes ☑ No (If no, all owners must sign	ere be substantial damage to property, public health or safety? this application.)
	iversion, a groundwater change in point of diversion greater than 300 fe all owners of the currently authorized place of use, or their duly authorize
age and the owner, the spouse of the owner, or a dul their behalf, in regards to the water right(s) to which contained in this application are true, correct and con	- och made
Dated at Whitewater	1 this 29 day of 11 acc , 20 19
Katzman Farms Inc	& (Spouse)
(Please Print)	(Please Print)
(Owner)	(Spouse)
(Please Print)	(Please Print)
(Owner)	(Spouse)
(Please Print)	(Please Print)
State of Wisconsin } ss	
I hereby certify that the foregoing application was significant of Man (2019).	ned in my presence and sworn to before me this $\frac{29^{11}}{}$ day
My Commission Expires <u>(4-7-19</u> .	Notary Public
ONLY COMPLETE APPLICATIONS WILL BE PROCESSED. To be co accurate information; maps, if necessary, must be included; signatures the appropriate fee must be paid.	implete, all of the applicable portions of the application form must be completed wor all the appropriate owners' must be affixed to the application and notarized, an
Each application to change the place of use or the point of diversion in the schedule below: Make checks payable to: Kansas (1) Application to change a point of diversion 300 feet (2) Application to change a point of diversion more that	rsion under this section shall be accompanied by the application fee set Department of Agriculture or less
DWR 1-121 (Revised 04/5/2018)	Page 3 File No

14. If th	ne proposed groundwater point of diversion is 300 or fewer fee	et from the existing point	of diversion, complete the following:
(a)	Does the undersigned represent all owners of the currently a Yes No (If no, all owners must sign this a		e identified in this application?
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or a cha	oplication proposes a surface water change in point of diversic ange in place of use, the application must be signed by all own attach notarized statement authorizing representation).	on, a groundwater change ners of the currently auth	e in point of diversion greater than 300 feet orized place of use, or their duly authorized
age an	by verify, being first duly sworn upon my oath or aff d the owner, the spouse of the owner, or a duly aut ehalf, in regards to the water right(s) to which this ned in this application are true, correct and complet	horized agent of the capplication pertains.	owner(s) to make this application or
Dated a	t Johnson City Ks , Kansas, t	thisday of	Feb , 20 14.
/			
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n <u>i lik</u>	(Please Print)		(Please Print)
State of	Kansas) SS		JODI WHIPPLE Notary Public - State of Kansas My Appt. Expires
	eby certify that the foregoing application was signed	in my presence and	
of So	, 20 19 .	The series and the series and the series are series and the series are series and the series are se	1 100 coo
My Com	mission Expires .	Jan	Notary Public
	DMPLETE APPLICATIONS WILL BE PROCESSED. To be complete	all of the applicable portion	so of the application form must be completed with
accurate	information; maps, if necessary, must be included; signatures of all the opriate fee must be paid.	ne appropriate owners' must	be affixed to the application and notarized; and
	FEE SCHI	EDULE	
forth in t	plication to change the place of use or the point of diversion use schedule below: Make checks payable to: Kansas Depa (1) Application to change a point of diversion 300 feet or less (2) Application to change a point of diversion more than 300 (3) Application to change the place of use	rtment of Agriculture s	\$100 \$200
Y Expires	SUE ICEEN SUE CONTINUE STORY NOTARY NO CONTINUE STORY NO CONTINUE S		

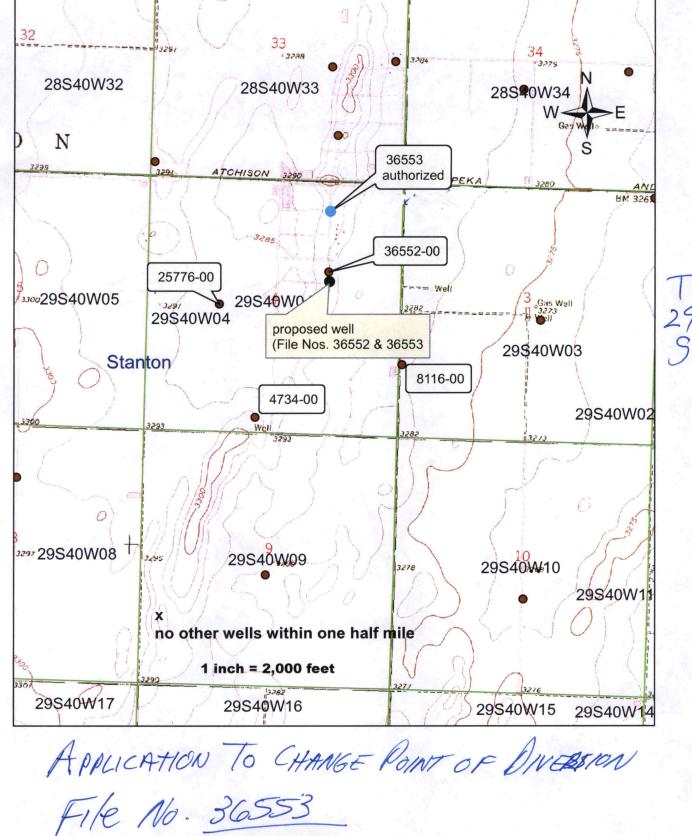
Page 3

File No.

DWR 1-121 (Revised 04/5/2018)

SUMMARY ORDER APPROVING APPLICATION FOR CHANGE AND IMPOSING CONDITIONS

pro Wit	visions of the Kansas Water Appropriation Law, K.S.A. 82a	08b, as amended, and K.A.R. 5-5-1, <i>et seq.</i> and other applicable 1-701 et. seq., and rules and regulations promulgated thereunder, in, this Summary Order does not change the terms, conditions and
1.	A change application was received on diversion authorized under the above-referenced file numbers.	79, 20/9 requesting that the place of use and / or point of other be changed as described in the application.
2.	On and after the effective date of this summary order, the authe topographic map accompanying the application to characteristics.	uthorized place(s) of use shall be located substantially as shown on ange the place of use. Applicable Not Applicable
3.	The change in point of diversion shall not impair existing rig previously authorized. The point of diversion authorized radius of the authorized point(s) of diversion. Applical	thts and shall be limited to the same source or sources of water as by this summary order shall be located within a foot ble Not Applicable
4.	The point(s) of diversion described herein is administrative Positioning System (GPS), as described in the application	vely corrected to be more accurately described using the Global n. ☐ Applicable ☑ Not Applicable
5.	The point(s) of diversion authorized herein shall not actually authorized point(s) of diversion. Applicable	be located more than feet from the previously Not Applicable
6.	As required by K.A.R. 5-3-5d, if the works for diversion is a control or other device suitable for making water level measuremed K.A.R. 5-6-13. Applicable Not Applicable	well with a diversion rate of 100 gallons per minute or more, a tube ents shall be installed, operated and maintained in accordance with
7.	December 31, 20 , or before the first use of water operated and maintained in accordance with K.A.R. 5-1-4	roperly install an acceptable water flow meter on or before you whichever occurs first. The water flow meter shall be installed, through 5-1-12. As required by K.S.A. 82a-732, as amended, and it the reading of the water flow meter and the total quantity of water ving the end of each calendar year.
8.	Installation of the works for diversion of water shall be authorized extension of time. By March 1, 20 2 the works for diversion has been completed, on the form provided Applicable Not Applicable	e completed on or before December 31, 20 7, or within any a applicant shall notify the Chief Engineer that construction of the wided by the Chief Engineer, as required by K.A.R. 5-8-4e.
9.	The completed well log shall be submitted with the requ	uired notice. ☐ Applicable ☐ Not Applicable
10.	with an in-line, automatic, quick-closing check valve capa	foreign substance will be injected into the water shall be equipped able of preventing pollution of the source of the water supply. The in accordance with K.A.R. 5-3-5c. Applicable Not Applicable
11.	Additional Conditions are attached. Yes You	
12.	water appropriated under the above-referenced file num limitations, as amended and/or supplemented by this Su Appropriation Law and the Rules and Regulations prom	A.R. 5-5-14, all of the owners of the authorized place(s) of use of ober are responsible for compliance with its terms, conditions and mmary Order, and with applicable provisions of the <i>Kansas Water</i> ulgated thereunder. Failure to comply with these provisions may mended, and/or the suspension or revocation and dismissal of the ions authorized by law.
_	Administrative Appeal and Effective Date of Order	FOR OFFICE USE ONLY
If yo	ou are aggrieved by this order, pursuant to K.S.A. 82a-1901, may request an evidentiary hearing before the Chief	APPLICATION APPROVED AND SUMMARY ORDER ISSUED
Eng	ineer or request administrative review by the Secretary of	Mahal I II.
Agr	iculture. A request for hearing by the Chief Engineer must be I within 15 days of service of this Order and a request for	By: Duly Authorized Designee of the Chief Engineer
adn	ninistrative review by the Secretary must be filed within 30 s pursuant to K.S.A. 77-531. Any request for administrative	(Print Name): MICHAET, A. MEYEX
revi	ew must state a basis for review pursuant to K.S.A. 77-527.	Division of Water Resources - Kansas Department of Agriculture
Leg	any request with Kansas Department of Agriculture, al Division, 1320 Research Park Drive, Manhattan, KS	Date of Issuance: APR/L 30, 20/9
	02 . Failure to timely request a hearing or review may clude review under the Kansas Judicial Review Act.	State of Kansas)) SS
	For Use by Register of Deeds	County of Finney
		Acknowledged before me on Qaris 30 2019
		by Michael A. Meyer
		Signature: Notary Public
		My commission expires: SUE KEENY Notice N



R40W

WATER WELL			WWC-5		Division of Water		Well ID	Test Hole #
Original Record LOCATION OF	WATER WE		e in Well Use Fraction		esources App. N ection Number			ange Number
County: Stantor		DD:	NE 1/4 SE 1/4 NW 1/2	4 NE 1/4	4	T 29 S	R	40 □ E Ø W
WELL OWNER Business: Johnson Address: Address:		State:	First:			where well is located intersection): If at own		
City: LOCATE WELL			The condition of the second second	000		27 5603	270	
WITH "X" IN SECTION BOX:	Depth(s) G 2) WELL'S S below above Pump test of	roundwater ft. TATIC WA land surface. land surface, data: Well w hours	Encountered: 1)	ft ft ft ft ft ft ft ft gpm	Longi Datum Source Gl	de: 37.5602 tude: 101.69 : WGS 84 NA for Latitude/Longitud PS (unit make/model: (WAAS enabled? [und Survey Topog nline Mapper:	4894 AD 83 □ le: □ Yes □ graphic Map	(decimal degrees) NAD 27
SW SE	Estimated '	Yield:	s pumpinggpm in. to			tion: 3293	GPS	Topographic Ma
1 mile	Bore Hore		in. to			Other KOLAR		
. Domestic: Household Lawn & Garden Livestock Irrigation Feedlot	6. [7. [8. [9. E	Dewaterin Aquifer Ro Monitorin Environmenta Air Sparge	ter Supply: well ID g: how many wells? echarge: well ID g: well ID al Remediation: well I	D	11. Test F	Field Water Supply: lole: well IDIe sed Uncased ermal: how many bore osed Loop Horizon en Loop Surface D	st Hole #3 Geotechnies?ntal	cal rtical Inj. of Water
. 🗌 Industrial		Recovery	☐ Injection		13. 🗌 Otl	ner (specify):		
Casing diameter Casing height above lar CYPE OF SCREEN Steel S Brass G GCREEN OR PERFO	G USED: in. to	Steel ☐ PV	glass ☐ PVC rete tile ☐ None RE:	. in. to lbs./i	ft., Diam t. Wall thick \to Oth	eterin. to ness or gauge No		ft.
CREEN-PERFORA	Key Pund TED INTERV	ched WALS: From	auze Wrapped Trire Wrapped S	aw Cut [None (Open H	ole) ft., From	ft.	to ft.
GRAVELP GROUT MATER			ft. to					
Grout Intervals: From Searest source of poss	ible contamina	o	ft., From	ft. to	ft., From	ft. to	ft.	
	Lines		☐ Sewage L☐ Feedyard ☐ Distance from v		☐ Fuel Storage ☐ Fertilizer Sto	rage	doned Wate /ell/Gas We	
0 FROM TO		LITHOLO		FROM		LITHO. LOG (cont.)		NG INTERVAL
tached Attached	Attached			7.54				
						RE	CEIVE	D
				1.1 1.2		FEE	3 1 2 20	19
				Notes:		Garden Division o	City Field f Water R	
I CONTRACTOR Inder my jurisdiction Cansas Water Well Counder the business na	and was component	oleted on (n	no-day-year) 346 This W	a	nd this record i	s true to the best of a	my knowle	edge and belief
	Send one copy th and Environmen	to WATER W	ELL OWNER and retain Vater, Geology Section, 1	one for your	records. Fee of \$5	.00 for each constructed v	well. 367. Telepho	

Form	WWC5
Contractor	Nash Water Well Service, LLC
Well Owner	
Doc ID	1364919

Litholgy

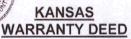
From	To Apple 1	LithologicLog segretti.
0	20	TOP SOIL, TAN, BROWN CLAY WITH FINE SAND
20	50	FINE MEDIUM SAND
50	70	TAN, BROWN CLAY WITH FINE SAND STREAKS
70	105	FINE COURSE SAND, TAN, BROWN CLAY
105	117	TAN, BROWN CLAY
117	160	FINE COURSE SAND
160	290	FINE COURSE SAND, SMALL MEDUIM GRAVEL STREAKS
		& TAN, RED CLAY
290	300	TAN STREAKS CLAY WITH FINE MEDIUM SAND STREAKS
300	320	FINE COURSE SAND WITH BROWN CLAY STREAKS WITH STREAKS OF SMALL GRAVEL
320	390	FINE COURSE SAND WITH SMALL, MEDIUM GRAVEL
390	400	TAN, BROWN STICK CLAY WITH FINE COURSE SAND
		STREAKS
400	420	FINE SAND WITH TAN CLAY
420	460	FINE SAND, TAN SAND WITH TAN CLAY LAYERS

Form	WWC5
Contractor	Nash Water Well Service, LLC
Well Owner	
Doc ID	1364919

Litholgy

From	To	Lithologic Egg (1995)
460	480	TAN SAND WITH TAN, RED CLAY STREAKS
480	502	FINE SAND WITH TAN CLAY STREAKS
502	520	FINE SAND WITH TAN CLAY & TAN SOAP STONE STREAKS
520	540	TAN SAND STONE
540	575	TAN SAND STONE & STREAKS OF SOAP STONE
575	580	TAN, RED, PURPLE, GRAY, BLUE CLAY WITH STREAKS OF
		TAN SAND STONE
580	597	TAN STREAKS WITH TAN CLAY STREAKS
597	608	RED, PURPLE, SHALE
608	620	RED, BLUE, GRAY SHALE

Entered In Transfer Record
In My Office This _____ Day of _____ A.D. 20 1 & ______ County Clerk



STATE OF KANSAS STANTON COUNTY SS.

This instrument was filed for record on the

at //:07 o'clock A M and duly recorded in Rock / 2 Res 182

in Book 2 Page 182 Fee \$
Suras
Register of Deeds

This 31st day of December, 2017

Duane Zortman, a single person

CONVEY(S) AND WARRANT(S) TO

Katzman Farms, Inc., a Wisconsin corporation

STANTON

all the following described REAL ESTATE in Stanton County, Kansas, to-wit:

A tract of land in the Southeast Quarter of the Northeast Quarter (SE/4 NE/4) of Section Thirty-three (33), Township Twenty-eight (28) South, Range Forty (40) West of the Sixth Principal Meridian; commencing at a point on the SE corner of said SE/4 NE/4; thence North along the East boundary line of said SE/4 NE/4 a distance of 200 feet to a point, thence West along a line 200 feet North and parallel with the South boundary line of said SE/4 NE/4 a distance of 1,250 feet to a point; thence South along a line 1,250 feet West of and parallel to the East boundary line of said SE/4 NE/4 a distance of 200 feet to a point; thence East along the South boundary line of the SE/4 NE/4 a distance of 1,250 feet to the place of beginning;

The Southeast Quarter (SE/4) of Section Thirty-three (33), Township Twenty-eight (28) South, Range Forty (40) West of the Sixth Principal Meridian; EXCEPT a tract of land in said quarter commencing at the Northwest corner of said SE/4; thence South a distance of 260 feet to a point along the West boundary line of said quarter; thence East along a line parallel with and 260 feet South of the North boundary line of said SE/4 a distance of 1,360 feet to a point; thence North along a line parallel with and 1,360 feet East of the West boundary line of said SE/4 a distance of 260 feet to a point; thence West along the North boundary line of said SE/4 a distance of 1,360 feet to the point of beginning; ;and Excepting a tract conveyed to The Dodge City and Cimarron Valley Railway Company by deed recorded in Book 17 Page 585;

The Southwest Quarter (SW/4) of Section Thirty-three (33), Township Twenty-eight (28) South, Range Forty (40) West of the Sixth Principal Meridian; EXCEPT a tract conveyed to The Dodge City and Cimarron Valley Railway Company by deed recorded in Book 17 Page 312;

AND

Lots One (1) and Two (2) and The South Half of the Northeast Quarter (S/2 NE/4), also described as the Northeast Quarter (NE/4) of Section Four (4), Township Twenty-nine (29) South, Range Forty (40) West of the Sixth Principal Meridian;

All in Stanton County, Kansas.

Except the coal, oil, gas and other minerals underlying the surface of said land and all right and easements in favor of the estate of said coal, oil, gas and other minerals.

FOR THE SUM OF: TEN DOLLARS (\$10.00) and other valuable consideration.

SUBJECT TO: Easements, rights of way, reservations and restrictions of record, if any.



STATE OF KANSAS, COUNTY OF HAMILTON, ss:

This instrument was acknowledged before me on this 31st day of December, 2017, by Duane Zortman.

(seal)

DENISE A. FINLAY
Notary Public, State of Kansas
My Appointment Expires
12- - 18

Notary Public

Printed Name: Denise A. Finlay

Appt. Expires: 12-17-18

WARRANTY DEED

This 27th day of December, 2017

Johnson Feeders, LLC, a Kansas limited liability company

CONVEY(S) AND WARRANT(S) TO

Katzman Farms, Inc.

all the following described REAL ESTATE in Stanton County, Kansas, to-wit:

The Southeast Quarter (SE/4) of Section Four (4), Township Twenty-nine (29) South, Range Forty (40) West of the Sixth Principal Meridian, Stanton County, Kansas.

Except the coal, oil, gas and other minerals underlying the surface of said land and all right and easements in favor of the estate of said coal, oil, gas and other minerals.

FOR THE SUM OF: TEN DOLLARS (\$10.00) and other valuable consideration.

SUBJECT TO: Easements, rights of way, reservations and restrictions of record, if any.

Johnson Feeders, LLC, a Kansas limited liability company

Bronson E. Smith, Managing Member

STATE OF KANSAS, COUNTY OF Barton, ss:

This instrument was acknowledged before me on this 27th day of December, 2017, by **Bronson E. Smith**, Managing Member of Johnson Feeders, LLC.

(seal)			
& NOTARY PUBLIC - STATE OF KAMSAS			
MOTARY PUBLIC STATE OF KAASSS Heidi Jo Burton By Appl. Exp. 2-7-19		Heidille 1	But
Balling ET PHAT. CAP disconnection and a second property of the second party of the se			Notary Pub
	Printed Name:	Heid. Jo	Burton

Appt. Expires: 2-7-19



ST. ST. This

STATE OF KANSAS SS.

STANTON COUNTY SS.

This instrument was filed for record on the day of Annago [8]

at // 05 o'clock / M and duly recorded in Book / 2 Page / 8 / Fee \$ 1/4



Southwest Kansas Groundwater Management District No. 3 2009 E. Spruce Street Garden City, Kansas 67846

(620) 275-7147 phone (620) 275-1431 fax www.gmd3.org

April 29, 2019

Michael A. Meyer Division of Water Resources 2508 N Johns Street Garden City, Kansas 67846

RE: Application for Change in Point of Diversion

Water Right, File Nos. 36553

Dear Mike:

We have completed a review of the application for the above referenced water right. The proposed change in point of diversion is in accordance with current area rules, K.A.R. 5-23-3, as it pertains to distance moved and minimum spacing to neighboring wells.

Well evaluations were conducted to estimate possible effects of the proposal on the supply of other wells with water rights prior to the proposal per K.S.A. 82a-708b, and the draft revised management program. Under K.S.A. 82a-708b, an applicant requesting a change in point of diversion must demonstrate to the chief engineer that any proposed change is reasonable and will not impair. The enclosed report is an analysis performed by the GMD on behalf of our membership. Under this analysis, the proposed change is considered to be reasonable and unlikely to impair if either the net in-season well-to-well effect of the proposed change is less than a strict maximum allowable threshold (2.5 ft in cases where saturated thickness is between 100-125 ft), or if no well with a net well-to-well effect exceeding the threshold is identified as critical. Critical wells are identified as wells that are expected to either lose or greatly diminish water supply over the next 25 years. The attached review information is based on a Theis analysis using inputs from the GMD3 aquifer model, which is considered to be the best information on well and aquifer data readily and easily available to the public. If either the applicant or the neighbors believe they have better data that might change the result of the analysis, they should contact GMD3. Conclusions of the well analysis may change if better information on well and aquifer data can be made available.

Every neighboring well within 1 mile of the proposed move was evaluated. Evaluations showed that several neighboring wells did exceed the net effect on neighboring wells exceed the 2.5 ft maximum allowable threshold. The information was provided to the neighbors and posted on our website. There was no response from any of those notices. Therefore, GMD3 sees this move as reasonable and therefore recommend that the application be approved.

Thank you for the opportunity to review the applications and to provide a recommendation. If you have any questions, please don't hesitate to contact us.

Sincerely,

Jason L. Norquest Assistant Manager

RECEIVED

APR 2 9 2019

GMD3 Change Review

File No(s).: 36553. DWR office: GC. App filed to change: PD. Is Landowner(s) correct in WRIS: Duane & Becky Zortman. If NO, is documentation included? Is Water Use Correspondent correct in WRIS? YES. If NO, is documentation included? Regulation(s) Reviewed: KAR 5-23-36 Point of diversion ID No(s) 04 being changed. ft. North ft. West Authorized PD 4669 1539 Sect 4-29-40 Proposed PD 3597 1493 Difference 1072 s 46 e a2+b2=c2 1149184 2116 1072.986 foot move sE GPS for proposed PD stacking on existing WRs? 36552 is in final steps for a move of less than 300', then proposal is for both WRs to be on the same well. Is Proposed PU overlapping existing WRs? No Change. Land Owner(s) notified:
Is Landowner(s) correct in WRIS:Duane & Becky Zortman. If NO, is documentation included? Is Water Use Correspondent correct in WRIS?YES If NO, is documentation included? Regulation(s) Reviewed: KAR 5-23-36 Point of diversion ID No(s)04being changed. ft. North
If NO, is documentation included? Is Water Use Correspondent correct in WRIS? _YES .
Is Water Use Correspondent correct in WRIS? YES. If NO, is documentation included? Regulation(s) Reviewed: KAR 5-23-36 Point of diversion ID No(s) 04 being changed. ft. North ft. West Authorized PD 4669 1539 Sect 4-29-40 Proposed PD 3597 1493 Difference 1072 s 46 e a2+b2=c2 1149184 2116 1072.986 foot move sE GPS for proposed PD: Lat: Long: Is proposed PD stacking on existing WRs? 36552 is in final steps for a move of less than 300', then proposal is for both WRs to be on the same well. Is Proposed PU overlapping existing WRs? No Change.
If NO, is documentation included? Regulation(s) Reviewed: KAR 5-23-36 Point of diversion ID No(s) 04 being changed. ft. North ft. West
Regulation(s) Reviewed: KAR 5-23-36 Point of diversion ID No(s)04 being changed. ft. North
Point of diversion ID No(s)04 being changed. ft. North ft. West
ft. North ft. West Authorized PD 4669 1539 Sect 4-29-40 Proposed PD 3597 1493 Difference 1072 s 46 e a2 + b2 = c2 1149184 2116 1072.986 foot move sE GPS for proposed PD: Lat: Long: Is proposed PD stacking on existing WRs? 36552 is in final steps for a move of less than 300', then proposal is for both WRs to be on the same well. Is Proposed PU overlapping existing WRs? No Change.
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Is Proposed PU overlapping existing WRs? No Change.
[19] [18] [18] [18] [18] [18] [18] [18] [18
Land Owner(s) notified:
· Company And
Name Name
Address Address
Zip Zip
Neighboring certified well(s) notified:
Name Name
Address Address
Zip
Domestic well(s) notified:
Name Name
Address Address
Zip Zip
Base Acres:
Perfected Acres:
Irr. Return-Flow%
Actually two changes going on here. WR 36552 had a less than 300" move proposed
that is about to be finalized. That would be 35.85AF @ 75gpm.
This change will then stack on the same proposed well with 53.77AF @ 75gpm.
Total effect from that well is proposed 89.62AF @ 150gpm.
BOTH WRs are for STK watering
Is a waiver needed: Distance moved and spacing to neighboring wells meets current
area rules.

GMD3 Change Review

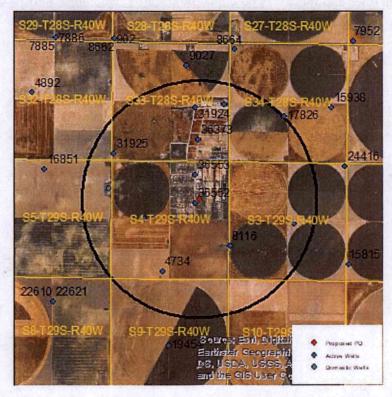
Recommendation: No response from the neighboring wells. Analysis shows the region is not great, but we are dealing with a STK well at lower rates. Seeing as how it meets the current area rules and there was no concern raised by neighbors, staff recommends approval of the application.

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APR 2 9 2019

Evaluation of proposed moves for Water Right No. 36553

Proposed: Move 7641 1,088 ft to the south and 36552 249 ft to the north.



Wells within 1 mile: 25776, 4734, 8116, 4146 & 8749, 36373, 31924, 17644, 31925, and a domestic well in section 5-29-40.

Average saturated thickness in Section 6-24-32 is 114 ft (based upon water table elevation at monitoring well in section 2-29-40 and local drillers logs). For saturated thicknesses between 100 and 125 ft, the maximum allowable Theis drawdown to neighboring critical wells is 2.5 ft.

50 year Theis Analysis: The following values were used to run the analysis:

S = 0.09286, T = 98.54 ft²/day, $tp_{current}(36552) = 219$ days (estimate feedyards operate 60% of the day every day), $tp_{current}(36553) = 219$ days $Q_{current}(36552) = 3.8$ gpm (well very rarely operates), $Q_{current}(36553) = 10.9$ gpm (well very rarely operates) $tp_{proposed} = 135$ days, $Q_{proposed} = 150$ gpm.

Theis drawdowns calculations are as follows:

25776:

Current drawdown = 2.46 ft

Proposed drawdown = 16.81 ft

Net drawdown = 14.4 ft

4734: Current drawdown = 1.53 ft

Proposed drawdown = 11.77 ft

Net drawdown = 10.2 ft

8116: Current drawdown = 2.16 ft

Proposed drawdown = 17.41 ft

Net Drawdown = 15.2 ft

4146 & 8749: Current drawdown = 1.25 ft

Proposed drawdown = 9.05 ft

Net drawdown = 7.8 ft

36373: Current drawdown = 3.59 ft

Proposed drawdown = 16.52 ft

Net drawdown = 12.9 ft

31924: Current drawdown = 2.12 ft

Proposed drawdown = 10.12 ft

Net drawdown = 8.0 ft

17644: Current drawdown = 1.85 ft

Proposed drawdown = 9.19 ft

Net drawdown = 7.3 ft

31925: Current drawdown = 1.68 ft

Proposed drawdown = 9.20 ft

Net drawdown = 7.5 ft

Domestic 5-29-40: Current drawdown = 1.68 ft

Proposed drawdown = 10.08 ft

Net drawdown = 8.4 ft

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APR 2 9 2019

Garden City Field Office Division of Water Resources

Critical Well Evaluation:

25776: Water column = 109 ft (from driller's log)

DP = 14.35 ft (based upon 50 year Theis calculation using the above parameters)

DE = 20.8 ft (based upon water table declines from the GMD3 model over 25 years)

DD = 114 ft (S = 0.09286, T = 737.1 gpd/ft, Q = 449 gpm, tp = 150 days, efficiency = 70%.)

*Calculated DD was greater than the water column, so 114 ft was used.

DT = 149.2 ft

Total drawdown (149.2 ft) is greater than the water column, so this well is critical.

*Note that this well is far more productive than the model indicates it should be.

4734: Water column = 114 ft (from model. No log available)

DP = 10.23 ft

DE = 20.8 ft

DD = 0 ft (well not operated since 2007)

DT = 31.0 ft

EDC = 0.4 * 114 ft = 45.6 ft

PDC = 114 ft - 60 ft = 54 ft

The economic drawdown constraint is more conservative, so it governs.

Total drawdown (31.0 ft) is less than the EDC, so this well is not critical.

8116: Water column = 192 ft (from driller's log)

DP = 15.2 ft

DE = 54.3 ft

DD = 78.7 ft (S = 0.08083, T = 5205 gpd/ft, Q = 161 gpm, tp = 292 days, efficiency = 70%)

DT = 148.2 ft

EDC = 0.4 * 192 ft = 76.8 ft

PDC = 192 ft - 60 ft = 132 ft

The economic drawdown constraint is more conservative, so it governs.

Total drawdown (148.2 ft) is greater than the EDC, so this well is critical.

4146 & 8749:

Water column = 227 ft

DP = 7.80 ft

DE = 54.3 ft

DD = 129.3 ft (S = 0.08083, T = 5205 gpd/ft, Q = 270 gpm, tp = 212 days, efficiency = 70%)

DT = 191.4 ft

EDC = 0.4 * 227 ft = 90.8 ft

PDC = 227 ft - 60 ft = 167 ft

The economic drawdown constraint is more conservative, so it governs.

Total drawdown (191.4 ft) is greater than the EDC, so this well is critical.

36373: Water column = 92.2 ft (well was drilled in 1983, so ST from model was used)

DP = 12.94 f

DE = 55.6 ft

DD = 0

DT = 68.5 ft

EDC = 0.4 * 92.2 ft = 36.9 ft

PDC = 92.2 ft - 60 ft = 32.2 ft

The physical drawdown constraint is more conservative, so it governs.

Total drawdown (68.5 ft) is greater than the PDC, so this well is critical.

31924: Water column = 92.2 ft (from model, no log available)

 $DP = 8.00 \, ft$

DE = 55.6 ft

DD = 22.0 ft (S = 0.2664, T = 78,803 gpd/ft, Q = 632 gpm, tp = 216 days, efficiency = 70%)

DT = 85.6 ft

EDC = 0.4 * 92.2 ft = 36.9 ft

PDC = 92.2 ft - 60 ft = 32.2 ft

The physical drawdown constraint is more conservative, so it governs.

Total drawdown (85.6 ft) is greater than the PDC, so this well is critical.

17644: Water column = 92.2 ft (from model, no log available)

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 $DP = 7.34 \, ft$

DE = 55.6 ft

DD = 3.27 ft (S = 0.2664, T = 78,803 gpd/ft, Q = 93.9 gpm, tp = 219 days, efficiency = 70%)

DT = 66.2 ft

EDC = 0.4 * 92.2 ft = 36.9 ft

PDC = 92.2 ft - 60 ft = 32.2 ft

The physical drawdown constraint is more conservative, so it governs.

Total drawdown (66.2 ft) is greater than the PDC, so this well is critical.

31925: Water column = 132 ft (from driller's log)

DP = 7.52 ft

DE = 55.6 ft

DD = 5.71 ft (S = 0..2664, T = 78,803 gpd/ft, Q = 164 gpm, tp = 219 days, efficiency = 70%)

DT = 68.8 ft

EDC = 0.4 * 132 ft = 52.8 ft

PDC = 132 ft - 60 ft = 72 ft

The economic drawdown constraint is more conservative, so it governs.

Total drawdown (68.8 ft) is greater than the EDC, so this well is critical.

Domestic 5-29-40:

Water column = 104 ft (from driller's log)

DP = 8.41 ft

DE = 44.5 ft

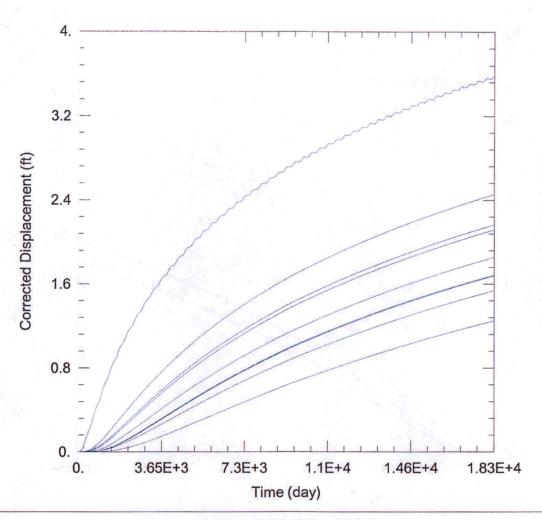
DT = 52.9 ft

EDC = 0.4 * 104 ft = 41.6 ft

PDC = 104 ft - 20 ft = 84 ft

The economic drawdown constraint is more conservative, so it governs.

Total drawdown (52.9 ft) is greater than the EDC, so this well is critical.



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2019_moves\36553\36552_36553_Current.aqt

Date: 04/23/19 Time: 17:08:10

PROJECT INFORMATION

Company: GMD 3 Project: 36553

Location: Stanton County Test Well: 36553

WELL DATA

经验上的证据	Jumping Wells	
Well Name	X (ft)	Y (ft)
	-259601	249751
TERRINGE LANGE	-259589	251011

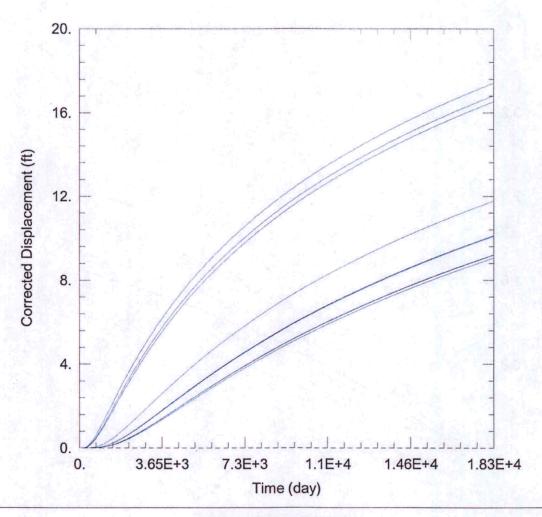
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Garden City () (Office Division of Water Resources

Well Name	X (ft)	Y (ft)
0	-259601	249751
О	-259589	251011
· 25776	-261878	249041
· 4734	-261083	246707
□ 8116	-258028	247858
 4146 & 8749 	-255172	248832
36373	-259464	252587
□ 31924	-259610	254001
· 17644	-258291	254138
31925	-263279	251968
 Domestic 5-29-40 	-263486	250398

SOLUTION



WELL TEST ANALYSIS

Data Set: <u>C:\Users\trevora\Documents\2019_moves\36553\36552_36553_Proposed.aqt</u>
Date: <u>04/23/19</u> Time: <u>17:08:02</u>

PROJECT INFORMATION

Company: GMD 3 Project: 36553

Location: Stanton County
Test Well: 36553

WELL DATA

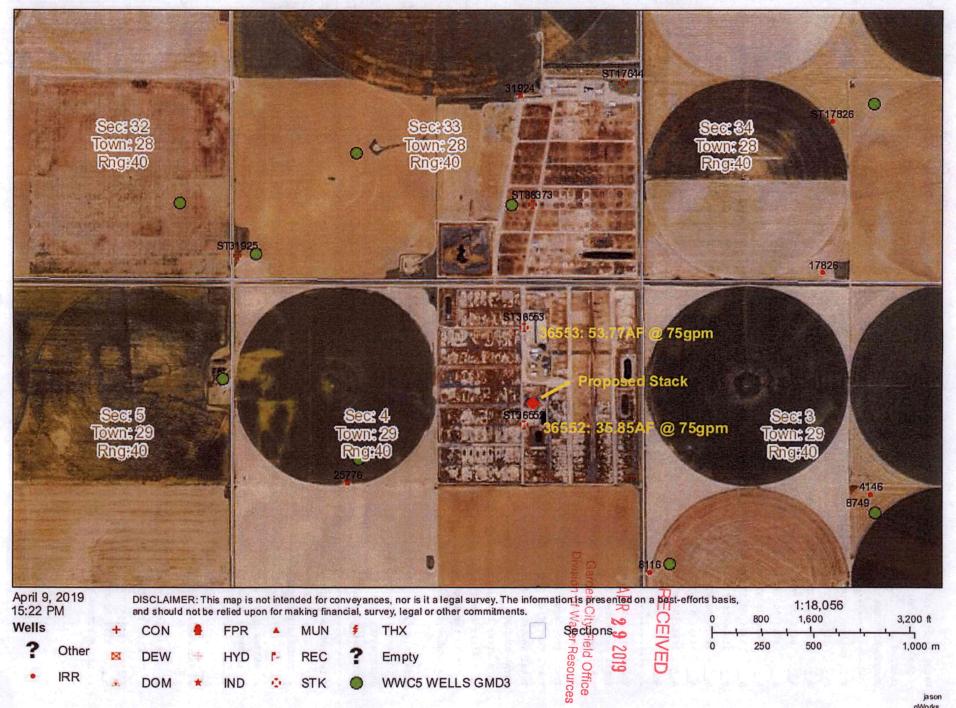
X (ft)	Y (ft)
-259432	249935
	-259432

Well Name	X (ft)	Y (ft)	
0	-259432	249935	
o 25776	-261878	249041	
o 4734	-261083	246707	
8116	-258028	247858	
 4146 & 8749 	-255172	248832	
a 36373	-259464	252587	
31924	-259610	254001	
o 17644	-258291	254138	
o 31925	-263279	251968	
 Domestic 5-29-40 	-263486	250398	

Observation Wells

SOLUTION

36553 Change Review, PD



qWorks.

Water Rights and Points of Diversion Within 1.00 miles of point defined as: 3597 ft N and 1493 ft W of the SE Corner of Section 4, T 29S, R 40W

Located at:	101.694420 West	t Longitude and 37.55	8035 North Latit	ude	
GROUNDWATER					
File Number	Use ST SR Dist	t (ft) Q4/Q3 Q2 Q1 Feet	N FeetW Sec Twp	Rng ID Batt Auth_Quan	Add_Quan Unit
A 4146	00 IRR NK G	4541 - NW NW SE 250	0 2358 3 29	40W Q 2300 480.00	480.00 AF
A_ 4734	00 IRR NK G	3576 SE SE SW	4 29	40W 1 /40 320.00	320.00 AF
A_ 8116	00 IRR NK G	2604 SW NW SW 152	1 5205 3 29	40W 4) 2300 640.00	640.00 AF
	00 IRR NK G	4541 NW NW SE 250		40W (3) 160.00	
	00 STK NK G	4384 - NE NE SE 253	7 235 33 28	40W 12 160 252.57	
A_ 25776	00 IRR NK G	2440 SW SE NW 267	0 3750 4 29	40W 5 230 634.00	634.00 AF
A_ 31924	00 IRR NK G	4059 NE NE SE 238	8 1553 33 28	40W 9 235.00	.00 AF
A_ 31925	00 STK NK G	4233 - SW SW SW 32	0 5202 33 28		
A 36373	00 STK NK G	2631 NE SW SE 96	0 1400 33 28		.00 AF V~7
107	00 STK NK G*	204 NE SW NE 339	8 1539 4 29	40W 3 .06735.85	35.85 AF) tact
Service Control of the Control	00 STK NK G*	1073 466	9 1539 4 29	40W 4 6 53.77	53.77 AF > 5
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				indicates a well in the	hattery.
		n is the number of well:			
Water Right	s and Points of D	iversion Within 1.00 m	iles of point de	fined as:	
		and 37.558035 North L		211100 00.	
GROUNDWATER					
	ORRESPONDENTS:				
	Use ST SR				
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> DOUGLAS					
>					
> 8817 W I	LIFF AVE				
> LAKEWOOD	CO 80227		11	1 1= 5	5
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	00 IRR NK G	Requested Correspondante Correspondante	/	ndren Fis	=5
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> HUGOTON	KS 67951	Co (hard	1 7 t	- 00-1	20 84507
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8116 00 IRR NK G

BRIAN PETERSON

> PO BOX 914
> JOHNSON KS 67855
>
A 8749 00 IRR NK G
> DOUGLAS F DOUGLAS
>
> 8817 W ILIFF AVE
> LAKEWOOD CO 80227
A 17644 00 STK NK G
> DUANE & BECKY ZORTMAN
> 548 SOUTH ROAD I
> JOHNSON CITY KS 67855
>
A 25776 00 IRR NK G
> B & B AG FARMS
> BRANT & BRIAN PETERSON
> PO BOX 914
> JOHNSON KS 67855
>
A 31924 00 IRR NK G
> VENTURE LAND INC
>
> 6190 N ROAD G
> JOHNSON KS 67855
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A 31925 00 STK NK G
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> 548 SOUTH ROAD I
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